

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): An information attaching device for attaching information to an image containing a plurality of photographed objects, and acquiring an information-attached image, comprising:

object extracting means, for extracting a plurality of facial regions of persons from within the image;

information attaching means for attaching different information to each of the facial regions that do not overlap with other facial regions, and acquiring said information-attached image;

input means for receiving photographed-image data obtained by photographing an image reproducing medium, on which the information-attached image acquired by the information attaching means is reproduced, with image pick-up means; and

detection means for detecting said information from said photographed-image data for each of said plurality of facial regions contained in said information-attached image,

wherein the information attached relates to a person corresponding to the one of the facial regions to which the information is attached.

2. (original): The information attaching device as set forth in claim 1, wherein said information attaching means is means for acquiring said information-attached image by hidden embedding said information in said image.

3. (canceled).

4. (previously presented): The information detecting device as set forth in claim 1, further comprising distortion correction means for correcting geometrical distortion contained in said photographed-image data; wherein said detection means is means for detecting said information from the photographed-image data corrected by said correction means.

5. (previously presented): The information detecting device as set forth in claim 1, wherein said image pick-up means is a camera provided in a portable terminal.

6. (previously presented): The information detecting device as set forth in claim 1, wherein said information is location information representing storage locations of audio data correlated with said plurality of photographed objects, and which further comprises audio data acquisition means for acquiring said audio data, based on said location information.

7. (previously presented): An information attaching method of attaching information to an image containing a plurality of photographed objects, and acquiring information-attached image, the method comprising:

extracting a plurality of facial regions of persons from within the image;

attaching different information to each of the plurality of facial regions in said image and acquiring said information-attached image;

receiving photographed-image data obtained by photographing an image reproducing medium, on which the information-attached image is reproduced, with image pick-up means;

detecting said information from said photographed-image data for each of said plurality of facial regions contained in said information-attached image; and

outputting the information corresponding to each of the plurality of facial regions, based on the detected information,

wherein the information attached relates to a person corresponding to the one of the facial regions to which the information is attached.

8. (canceled).

9. (currently amended): A program embodied on a non-transitory computer readable medium for causing a computer to execute an information attaching method of attaching information to an image containing a plurality of photographed objects, and acquiring information-attached image, said program comprising:

a procedure of extracting a plurality of facial regions of persons from within the image;

a procedure of attaching different information to each of a plurality of facial regions in said and acquiring said information-attached image;

a procedure of receiving photographed-image data obtained by photographing an image reproducing medium, on which the information-attached image is reproduced, with image pick-up means; and

a procedure of detecting said information from said photographed-image data for each of said plurality of facial regions contained in said information-attached image,

wherein the information attached relates to a person corresponding to the one of the facial regions to which the information is attached.

10. (canceled).

11. (previously presented): The information device according to claim 1, further comprising:

a mobile communication terminal having a camera; and

a server,

wherein the camera of the mobile terminal photographs the image reproducing medium,

wherein the input means and the detecting means are disposed in the server.

12. (previously presented): The information device according to claim 11, wherein the information is a location of audio data and the server acquires said audio data using said location and transmits said audio data to said mobile communication terminal.

13. (canceled).

14. (previously presented): An information attaching device as defined in Claim 1, wherein the information attaching means comprises:

a region setting section, for setting block regions corresponding to each photographed object that do not overlap with other regions that include other photographed objects; and

an information attaching section, for attaching different information to each of the plurality of block regions which are set by the region setting means.

15. (previously presented): The information detecting device as set forth in claim 1, wherein the plurality of facial regions are extracted by extracting skin-colored regions.

16. (previously presented): The information detecting device as set forth in claim 1, wherein the plurality of facial regions are extracted by extracting face contours.

17. (previously presented): The information attaching method as set forth in claim 7, wherein the outputting comprises providing a visual or audio display via at least one of a audio device and a display monitor.

18. (new): The information detecting device as set forth in claim 1, wherein different facial regions corresponding to different individuals appear in the image.